

CONDITIONS FOR CHANGE

*Understanding the Variables for Successful Policies in Advanced
Manufacturing*

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KINGDON'S STREAMS

Problems

- Indicators
- Feedback
- Focusing Events

KINGDON'S STREAMS

Problems

Policies

- Existence of Alternatives and Ideas
- Policy Entrepreneurs

KINGDON'S STREAMS

Problems

Policies

Politics

- Who's involved?
- Majority Party
- Polarization
- National Mood

KINGDON'S STREAMS

Problems

Policies

Politics



Advanced Manufacturing: PROBLEMS

- ❑ Indicator: Unemployment in Adv. Manufacturing and steady decrease in productivity
- ❑ Indicator: US demotion to world's second largest manufacturer
- ❑ Chinese superiority
- ❑ Salience? Feedback?



Figure: Manufacturing value-added by largest global manufacturers. Sources: United Nations and MAPI Foundation.


Advanced Manufacturing: POLICIES

- ❑ Conferences and think tanks craft policies
- ❑ Who are adv. Manufacturing's policy entrepreneurs?



Advanced Manufacturing: POLITICS






- ❑ Dramatic, publicly perceived polarization between parties
- ❑ Hostile political environment



FYI
SCIENCE POLICY NEWS FROM AIP

Bulletin

Trump Order Requires Science Agencies to Cull Advisory Panels

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President Trump has ordered federal agencies to eliminate at least one-third of their non-statutory advisory committees created under the Federal Advisory Committee Act. Many science agencies use such committees as a mechanism for liaising with the research community.

IMPACTING SCIENCE POLICY